Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/19/2018 09:53 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123834	-1	1.48	123755	1.42
Blue	F	SSC	125000	123313	-2	3.22	123687	2.95
Blue	E	FITC	23615	22869	-4	2.78	1021	11.24
Blue	D	PE	26739	26322	-2	2.19	945	10.65
Blue	B	PerCP-Cy5-5	48339	46848	-4	3.67	1348	18.07
Blue	A	PE-Cy7	45021	44563	-2	5.41	685	38.46
Red	C	APC	53064	51541	-3	2.77	2947	9.53
Red	A	APC-Cy7	57175	56394	-2	2.77	1171	11.69
Violet	B	V450	14728	13989	-6	5.86	670	10.62
Violet	A	V500	58621	56611	-4	5.67	2501	7.61

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19249	2.65	617	3	N/A	N/A	Pass
Blue	F	SSC	61023	1.67	564	18	N/A	N/A	Pass
Blue	E	FITC	115	43.61	554	6	0.0176	274	Pass
Blue	D	PE	206	32.19	545	9	0.1402	281	Pass
Blue	B	PerCP-Cy5-5	209	50.06	643	8	0.0089	161	Pass
Blue	A	PE-Cy7	70	136.86	702	9	0.0102	21	Pass
Red	C	APC	336	29.34	600	3	0.0204	141	Pass
Red	A	APC-Cy7	128	41.78	584	4	0.0049	1468	Pass
Violet	B	V450	82	49.42	467	-3	0.0424	2785	Pass
Violet	A	V500	183	28.54	494	-3	0.0165	2491	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.60	-30.97	0.98
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.36
Red	17.09	14.40 - 21.60	N/A	N/A	30.65	31.22	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10649

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments